



**UNIVERSITY OF
GEORGIA**
College of Pharmacy

**PharmD Student Bulletin
2022-2023**

Pursuant to directives of the President of this institution, the University of Georgia continues its affirmative implementation of equal opportunity to employees, students, covered contractors and vendors, and applicants for employment, admission, or contractor/vendor status. The University of Georgia will act in matters of employment, admissions, programs, and services free of prohibited bias with regard to race, creed, color, sex, national origin, religion, age, veteran status, or disability. Further, the University of Georgia will not maintain racially segregated facilities.

Continuation of the above policies is consistent with applicable provisions of the Civil Rights Act of 1964, the Education Amendments of 1972, Executive Order 11246, Revised Order 4, the Vietnam Era Veterans Readjustment Act of 1974, the Rehabilitation Act of 1973, and The Americans with Disabilities Act of 1990, as revised and/or amended, with implementing regulations. Accordingly, this institution will not discriminate in employment, admissions, programs, or services with regard to any position for which the applicant, employee, or student is qualified and will make reasonable accommodation for physical and mental limitations.

The Affirmative Action Plan implementing the above body of law, regulation, and policy is administered by the UGA Equal Opportunity Office at 278 Brooks Hall, Athens, Georgia 30602. Telephone inquiries concerning this Plan may be directed to 706-542-7912. Copies of this Plan are available for inspection in the Equal Opportunity Office and in the UGA Main Library during normal weekday working hours. Affirmative Action Plan narrative may also be reviewed at the website, <https://eoo.uga.edu>, by selecting "Affirmative Action Plan."

This is an unofficial publication of the University of Georgia. The official publication for academic matters of the University of Georgia is the University of Georgia Bulletin (www.bulletin.uga.edu). While every effort is made to provide accurate and current information, the University reserves the right to change, without notice, statements in the bulletin concerning rules, policies, fees, curricula, courses, calendar, or other matters. Further, the statements set forth in this bulletin are for informational purposes only and should not be construed as the basis of a contract between a student and the institution.

While the provisions of this bulletin will ordinarily be applied as stated, the College of Pharmacy reserves the right to change any provision listed in this bulletin, including but not limited to academic requirements for graduation, without actual notice to individual students. Every effort will be made to keep students advised of any such changes. Information on changes will be available in the Office of the Dean. It is especially important that each student note that it is the student's responsibility to keep apprised of current graduation requirements for the student's particular degree program.

If you have a disability and need assistance in order to obtain this bulletin in an alternative format, please contact the College of Pharmacy Office of Student Affairs at (706) 542-5278.

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**ACADEMIC CALENDAR
2022-2023**

FALL 2022

Rx DAWGS New Student Orientation.....	Wednesday-Friday, August 10-12
White Coat Ceremony (<i>First-year Students</i>)	Saturday, August 13
Classes Begin	Wednesday, August 17
Holiday.....	Monday, September 5
Withdrawal Deadline	Monday, October 24
Fall Break.....	Friday, October 28
Thanksgiving Break	Wednesday-Friday, November 23-25
Classes End	Tuesday, December 6
Reading Day	Wednesday, December 7
Final Exams	Thursday-Wednesday, December 8-14

SPRING 2023

Classes Begin	Monday, January 9
Holiday.....	Monday, January 16
Spring Break	Monday-Friday, March 6-10
Withdrawal Deadline	Thursday, March 23
Pinning Ceremony (<i>Third-year</i>)	Friday, March 31
Classes End (<i>First-year</i>)	Monday, April 10
Reading Day (<i>First-year</i>)	Tuesday, April 11
Final Exams (<i>First-year</i>).....	Wednesday-Wednesday, April 12-19
College of Pharmacy Commencement (<i>Fourth-year</i>).....	TBD
Classes End	Monday, May 1
Reading Day	Tuesday, May 2
Finals Exams	Wednesday-Tuesday, May 3-9
UGA Commencement.....	Friday, May 12

GENERAL INFORMATION

ATHENS, GEORGIA

With a metropolitan population of more than 100,000, Athens is a vibrant city situated in rolling Piedmont country. Athens is known for its many cultural opportunities, including concerts, films, and plays. Atlanta, about 65 miles southwest of Athens, offers musical and theatrical events plus major league sports. Only a few hours away from Athens are major recreational areas such as beaches, the Great Smoky Mountains, and national forests containing numerous lakes and hiking trails. The climate is moderate with a daily mean temperature range from 33 to 51 degrees in January and from 69 to 90 degrees in July.

THE UNIVERSITY OF GEORGIA

The University of Georgia is a unit of The University System of Georgia. The System's Board of Regents was created in 1931 as a part of a reorganization of Georgia's state government. With this act, public higher education in Georgia was unified for the first time under a single governing and management authority. The governor appoints members to the Board, who each serve seven years. Today the Board of Regents is composed of 19 members, five of whom are appointed from the state-at-large, and one from each of the 14 congressional districts. The Board elects a chancellor who serves as its chief executive officer and the chief administrative officer of the University System. The Board oversees the 26 colleges and universities that comprise the University System of Georgia and has oversight of the Georgia Archives and the Georgia Public Library System. For further information, contact: Board of Regents of the University System of Georgia, 270 Washington Street, S.W., Atlanta, Georgia 30334.

ACCREDITATION

The professional program at the University of Georgia College of Pharmacy is accredited by the Accreditation Council for Pharmacy Education. The Council can be contacted at 135 S. LaSalle Street, Suite 2850, Chicago, Illinois 60603-3499 or by calling (312) 664-3575.

The University of Georgia is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools to award baccalaureate, masters, specialist and doctorate degrees. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097 or call (404) 679-4500 for questions about the accreditation of the University of Georgia.

UNIVERSITY OF GEORGIA ADMINISTRATION

Jere W. Morehead, President, <http://www.uga.edu/presofc>, (706) 542-1214

S. Jack Hu, Provost, <http://www.provost.uga.edu>, (706) 542-0415

Kelly Smith, Dean, College of Pharmacy, <http://www.rx.uga.edu>, (706) 542-1914

COLLEGE OF PHARMACY HISTORY

In 1903, the Committee on Laws and Disciplines of the Board of Trustees authorized the organization of a School of Pharmacy at The University of Georgia at Athens. At the same time, **Dr. Samuel C. Benedict** was appointed to the chair of Materia Medica in the school. Space was allocated in Terrell Hall for the school and six students enrolled for the 1904-1905 year. The educational objective of those six registrants was to matriculate for two years and receive a Ph.G. degree.

In January 1907, **Mr. Robert C. Wilson** was elected Instructor in Pharmacy and in 1914 was named Director of the Department of Pharmacy; in 1924 he became Dean of the School of Pharmacy. In his first report to the Board of Trustees, he noted that the School had graduated the first women students in 1924. Dean Wilson's continuous struggle to improve pharmacy in Georgia led to development of the first four-year required pharmacy degree in the nation, beginning in 1926. In 1939, the school moved to quarters in New College and was accredited by the Accreditation Council for Pharmacy Education, a rating that has been maintained continuously since that time.

Dr. Kenneth L. Waters was named Dean of the School of Pharmacy in 1948. Under his guidance, the school grew to the point where a new facility was deemed essential. The building was completed in 1964. One year later, the first students of the five-year pharmacy program graduated. The new facility presented an opportunity for student body and faculty growth with faculty experiencing the greatest percentage increase. Academic programs were improved and research output was significantly increased. The service program developed rapidly to the point where several faculty members were involved. An externship and clinical program were required of undergraduate students in an effort to present the optimum learning experience.

Dr. Howard C. Ansel was named Dean in 1977. During his tenure, the name of the school was changed to the College of Pharmacy to reflect the unit's expanded educational, research, and service roles. A Doctor of Pharmacy (Pharm.D.) degree program was offered as a post-baccalaureate degree program and as a tracking option. The Clinical Pharmacy Program at the Medical College of Georgia was established and an assistant dean of pharmacy was named as its administrator. The graduate and research programs of the College were also strengthened through major renovations to the Robert C. Wilson Pharmacy Building, making the College of Pharmacy one of the premier research units on campus. An office of Postgraduate Continuing Education was established to provide for the continuing education needs of the practitioner.

Dr. Stuart Feldman was named Dean in 1991. During his tenure, the College received Georgia State lottery funds to increase technology in education. The College was one of the first on campus to have internet capabilities; e-mail and videoconferencing between Athens and Augusta greatly improved communication among faculty and students. The curriculum was converted from quarters to semesters, and the entry-level Doctor of

Pharmacy degree and Non-traditional Doctor of Pharmacy Pathway Program were initiated. The experiential portion of the Pharm.D. program expanded to over one-quarter of the overall curriculum, and a full-time experiential coordinator was hired.

Dr. Svein Øie became Dean in January, 2000. Under his guidance, the College extended its regional presence, creating extended campuses in Gwinnett, Albany and Savannah. The number of clinical faculty was increased, and the clinical faculty track was officially recognized as part of the UGA teaching corps. The College created residency and fellowship programs and partnered with health systems on our extended campuses to develop or expand residency training. Certificate programs and dual degrees were established; the College developed the University's first on-line graduate program (International Biomedical Regulatory Sciences). The College increased its number of endowed professorships to attract faculty who augmented our research programs. Endowed and deferred gifts increased substantially during this period. The College's physical space in Athens nearly doubled with the construction of Pharmacy South, a state-of-the art teaching and research facility.

Kelly M. Smith, PharmD, FASHP, FCCP, assumed the role as Dean of the University of Georgia College of Pharmacy on August 1, 2018. A 1992 and 1993 alumna of the college, she is considered an academic leader with a record of advancing research and pharmacy education.

VISION

To be a global leader and catalyst for innovation in pharmacy practice, education, and scientific inquiry that improves health outcomes.

MISSION

To transform pharmacy practice, drive scientific discovery, and elevate the health and well-being of Georgians and the global community through innovative, collaborative, and distinctive academic programs, research, and service.

DOCTOR OF PHARMACY PROGRAM

PROGRAM OF STUDY

The College of Pharmacy awards the Doctor of Pharmacy (Pharm.D.) degree to students who successfully complete the six-year study of prescribed courses. To receive the Pharm.D. degree, a student must have earned academic credit for not less than 69 semester hours in pre-professional coursework and 148 semester hours of required professional coursework. The pre-professional coursework may be completed at any accredited institution of higher education. At the University of Georgia, the pre-professional program is administered through the College of Arts and Sciences. The last four years (ten semesters) are in the professional program and must be in residence at the College of Pharmacy.

Reflecting the vital importance of health care teams in the delivery of quality health care services, the Pharm.D. curriculum emphasizes interprofessional education and the ability to practice in team settings. Group work is employed in many Pharm.D. didactic courses and a student's ability to function as an effective team member is evaluated at multiple points in the curriculum. Through cases and simulations, Pharm.D. students interact with students in a variety of other health care programs including medicine, nursing, and veterinary medicine. Introductory pharmacy practice experiences (IPPEs) and advanced pharmacy practice experiences (APPEs) also provide numerous opportunities for students to function on health care teams in a variety of practice settings (e.g., hospitals, pharmacies, clinics). The College of Pharmacy is committed to assuring that its Pharm.D. graduates are ready to practice as effective members of interdisciplinary health care teams, thus making important contributions to patients' well-being.

ADMISSION TO THE PROFESSIONAL PROGRAM

The College of Pharmacy accepts students into its professional program for beginning classes only in the fall semester. Applicants who are accepted but do not attend the designated term may need to repeat the admission process for a future term.

Applicants are strongly encouraged to review the [Admissions Procedures](#) and [Frequently Asked Questions](#) before applying.

- *Step One: Complete the pre-pharmacy requirements*
To be admitted to the professional program in the College of Pharmacy, a student must complete pre-pharmacy requirements. Pre-pharmacy education requires satisfactory completion of not less than 69 semester hours of academic work counting toward the pharmacy degree. Please refer to the [Pre-Pharmacy Checklist](#) for more information.
- *Step Two (Optional): Take the Pharmacy College Admission Test (PCAT)*
For the 2022-2023 application cycle, the PCAT exam is recommended, but not required. Applicants who may wish to strengthen their application should consider

taking the PCAT exam. Summer or fall test dates are recommended when taking the PCAT for the first time.

- *Step Three: Apply online to the Pharmacy College Application Service*
Applicants to the professional program must submit an application with the [Pharmacy College Application Service \(PharmCAS\)](#) prior to completing the College of Pharmacy supplemental application. All transcripts, optional PCAT scores, and letters of recommendation must be sent directly to PharmCAS; such materials will not be accepted if sent to the UGA College of Pharmacy. Once applicants have submitted a PharmCAS application, they will receive a PharmCAS identification number that will be needed when completing the UGA College of Pharmacy supplemental application.

Applicants should have optional PCAT scores sent directly to PharmCAS (Code 0104). Each course for which students have earned AP or IB credit must be listed individually in the PharmCAS application as courses completed during their first semester in college. During the PharmCAS Academic Update period, applicants must submit grades for courses taken during the fall and spring semesters.

The PharmCAS and UGA College of Pharmacy applications open on July 14, 2022. Individuals may submit applications anytime thereafter. This year, the UGA College of Pharmacy will employ a rolling admissions process. With rolling admissions, we will review applications, invite candidates to campus to interview, and offer acceptances on a continuous basis throughout our admissions process. This means that interested applicants should submit their applications as early as possible.

The admissions application process has two different deadlines: Priority Deadline and Application Deadline. The Priority Deadline is December 1, 2022. Applicants who submit both their PharmCAS and University of Georgia College of Pharmacy application by December 1, 2022 will be eligible to waive their University of Georgia College of Pharmacy Supplemental application fee (\$55), and be given priority consideration for scholarship consideration and for 2+2 campus preferences.

The final Application Deadline is June 1, 2023. PharmCAS and UGA Pharm.D. Supplemental applications and supplemental application fee must be submitted by this deadline. PharmCAS must receive all materials (e.g., transcripts) by that closing date.

- *Step Four: Apply online to the College of Pharmacy*
Applicants must have started the PharmCAS application before going online to complete the [College of Pharmacy Supplemental Application](#) (opens July 14, 2022). Submit the supplemental application by the Priority Deadline (December 1, 2022) to waive the supplemental application fee and receive priority consideration for scholarships and 2+2 campus preferences. Applicants must submit the PharmCAS application and supplemental application fee by the final deadline of June 1, 2023.

Students may apply to the College of Pharmacy before they have completed the entire pre-pharmacy curriculum, provided they have finished at least 35 hours of that curriculum and will be able to complete the rest of the hours before matriculation. However, some students have already completed the entire pre-pharmacy core and may be working toward a major when they apply to the College of Pharmacy. Others may have already earned a degree or plan to complete one before matriculating. Applicants who are accepted but do not attend for the accepted term may need to repeat the admission process for a future date.

Applicants for admission to the College of Pharmacy who have been officially dismissed from another pharmacy program will not be accepted. A student who gains entrance to the College by misrepresentation of facts may be dismissed immediately.

UGA College of Pharmacy does not accept transfer students directly into the Pharm.D. program. Students previously enrolled in another school of pharmacy must go through our standard admission process and, if accepted, enter the program as a first-year student. Requests to grant credit for professional courses taken at another institution will be considered on an individual basis.

INTERVIEWS

Qualified applicants will be invited to campus for an interview on a rolling basis until the class is filled. Candidates invited for interviews will meet with members of the Admissions Committee, faculty, staff and currently enrolled Pharm.D. students. During the interview, students may be asked to discuss their academic background, reasons for selecting pharmacy as a profession, plans upon graduation, work experience, leadership experience, and extracurricular activities. Verbal and written communication skills will also be evaluated.

APPLICATION TIMELINE

- **July 14, 2022** – PharmCAS (<http://www.pharmacas.org>) and the [University of Georgia College of Pharmacy Supplemental application](#) open.
- **Mid-August 2022** – Admissions interviews begin
- **December 1, 2022** – Priority Deadline for PharmCAS and the University of Georgia College of Pharmacy. Both applications have the same deadline.
- **October 2022-July 2023** – Advising sessions for incoming students
- **June 1, 2023** – Application Deadline for PharmCAS and the University of Georgia College of Pharmacy. Both applications have the same deadline.
- **June 2023** – Admissions interviews end
- **August 2023** – New Student Orientation
- **August 2023** – White Coat Ceremony
- **August 14, 2023** – Classes Begin

TUITION, FEES, AND OTHER EXPENSES

Expenses for Doctor of Pharmacy students are higher than for students in most other programs at the University of Georgia. The following is an estimate of expenses for the 2022-2023 academic year:

Georgia Resident Expenses (off-campus)

	First Year	Second Year*	Third Year	Fourth Year*
Tuition	\$16,636	\$18,718	\$16,636	\$23,923
Fees	\$1,010	\$1,454	\$1,010	\$1,454
Room	\$9,100	\$10,010	\$9,100	\$12,133
Board	\$4,094	\$4,503	\$4,094	\$5,459
Books/Supplies	\$250	\$313	\$250	\$344
Transportation	\$2,156	\$2,372	\$1,278	\$4,629
Miscellaneous	\$5,208	\$5,058	\$4,598	\$6,131
TOTAL	\$38,454	\$42,428	\$36,966	\$54,073

Average Tuition & Fees: Approximately \$20,210/year

*Second-year and fourth year: Fall, Spring, and Summer semesters combined

Non-Resident Expenses (off-campus)

	First Year	Second Year*	Third Year	Fourth Year*
Tuition	\$37,344	\$42,012	\$37,344	\$53,682
Fees	\$1,010	\$1,454	\$1,010	\$1,454
Room	\$9,100	\$10,010	\$9,100	\$12,133
Board	\$4,094	\$4,503	\$4,094	\$5,459
Books/Supplies	\$250	\$313	\$250	\$344
Transportation	\$2,990	\$3,289	\$2,112	\$5,740
Miscellaneous	\$5,208	\$5,058	\$4,598	\$6,131
TOTAL	\$59,996	\$66,639	\$58,508	\$84,943

Average Tuition & Fees: Approximately \$43,827/year

*Second-year and fourth year: Fall, Spring, and Summer semesters combined

The University reserves the right to change its tuition and fees at the beginning of any academic term and without previous notice. This right will be exercised cautiously. Visit https://busfin.uga.edu/bursar/bursar_quick_links for additional information.

FINANCIAL AID

UGA STUDENT FINANCIAL AID OFFICE

The Office of Student Financial Aid (OSFA) at the University of Georgia assists students in accessing the resources and services available to them to secure funds for financing their education. OSFA is located in the Holmes/Hunter Academic Building and can be contacted at (706) 542-6147 or <http://osfa.uga.edu>.

HOPE SCHOLARSHIP PROGRAM

Students who meet the criteria for the HOPE Scholarship and have not exceeded the maximum number of credit hours under the HOPE program may continue their HOPE Scholarship in the pharmacy curriculum. Pharmacy students have an eligibility limit of 127 semester hours (which includes both pre-pharmacy and pharmacy coursework) under the HOPE guidelines. Specific questions regarding eligibility for the HOPE Scholarship should be directed to the University of Georgia Office of Student Financial Aid.

SCHOLARSHIPS FOR INCOMING FIRST-YEAR STUDENTS

The College of Pharmacy offers scholarships annually to students enrolled in the Doctor of Pharmacy program. The list of scholarships is available on the scholarship page at <https://rx.uga.edu/students/>. Scholarship awards are subject to change based on availability. The online scholarship application process must be completed in order to be eligible for any scholarship. In the spring semester, students receive an email communication from the Office of Student Affairs, which includes a link to the application and details regarding completion of scholarship submissions. Students with professionalism violations may be ineligible for College of Pharmacy scholarships or awards.

There are two types of scholarships for *incoming first-year students*:

- *Merit-based Scholarships*: Recipients will be determined based on a comprehensive review of their admission application materials and on-site admission interviews.
- *Need-based Scholarships*: Recipients will be selected primarily based on financial need.

Applicants invited for on-site admission interviews will be asked to submit a scholarship application. Priority scholarship consideration will be given to applicants who apply early for admission.

For specific questions about pharmacy scholarships, please contact Gloria Strait in the College of Pharmacy Office of Student Affairs at gstrait@uga.edu or 706-542-8166.

PRE-PHARMACY CURRICULUM

The following courses (or their equivalents) are required for admittance into the Pharm.D. program. A total of 69 hours is required to enroll in the program and these may be taken at the accredited institution of your choice. A minimum of 35 hours of these required courses must be completed at the time of application. For course descriptions, please visit <http://www.bulletin.uga.edu>.

	<u>Credit Hours</u>	<u>UGA Equivalent Course</u>
<u>SCIENCES (36 hours)</u>		
General Chemistry I w/Lab	4	CHEM 1211 & 1211L or 1311H & 1311L
General Chemistry II w/Lab	4	CHEM 1212 & 1212L or 1312H & 1312L
Organic Chemistry I w/Lab	4	CHEM 2211 & 2211L or 2311H & 2311L
Organic Chemistry II w/Lab	4	CHEM 2212 & 2212L or 2312H & 2312L
Biochemistry (<i>lab optional</i>)	3	BCMB 3100 or 4010
Principles of Biology I w/Lab	4	BIOL 1107 & 1107L or 2107H & 2107L
Principles of Biology II w/Lab	4	BIOL 1108 & 1108L or 2108H & 2108L
Microbiology (<i>lab optional</i>)	3	MIBO 2500, 3000, or 3500
Anatomy and Physiology (<i>lab optional</i>)	6	CBIO 2200 and 2210

OR

Anatomy (<i>lab optional</i>)	3	CBIO 3000 or 3010
Physiology (<i>lab optional</i>)	3	CBIO 3710, PMCY 3000 or VPHY 3100

QUANTITATIVE REASONING (6 hours)

Calculus	3	MATH 2200 or 2250
Statistics	3	STAT 2000/2100H

HUMANITIES & SOCIAL SCIENCES (18 hours)

English Composition I	3	ENGL 1101
English Composition II	3	ENGL 1102 or 1050H or 1060H
Speech Communication	3	COMM 1110/2150H or 1500/2550H
Economics	3	ECON 2105/H or 2106/H
Social Sciences	6	

WORLD LANGUAGES & CULTURE (9 hours)

9 credit hours

Select courses from university list available at

<http://bulletin.uga.edu/GenEdCoreBulletin.aspx>

DOCTOR OF PHARMACY (PHARM.D.) CURRICULUM

FIRST PROFESSIONAL YEAR

<i>Course Number</i>	<i>Course Title</i>	<i>Credit Hours</i>
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Fall Semester

PHRM 3030	Essentials of Pharmacy Practice I	3
PHRM 3300	Pharmaceutical Calculations	2
PHRM 3310	Principles of Pharmacology I	2
PHRM 3540	Nutrition and Lifestyle Intervention in Pharmacy Practice	2
PHRM 3550	Human Pathophysiology	4
PHRM 3600	Immunology and Biotechnology	2
PHRM 3900	Pharmacy Intercommunications	2
PHRM 3940	Survey of Drug Information	<u>1</u>
		18

Spring Semester

PHRM 3040	Essentials of Pharmacy Practice II	3
PHRM 3070	Medicinal Chemistry I	2
PHRM 3320	Principles of Pharmacology II	2
PHRM 3500	Career Opportunities in Pharmacy	1
PHRM 3520	Interpreting Clinical Laboratory Tests	1
PHRM 3750	Pharmacy and the United States Health Care System	3
PHRM 3820	Self-Care, Nonprescription Drugs, and Herbal Products	3
PHRM 3950	Introductory Pharmacy Practice Experience I	<u>3</u>
		18

SECOND PROFESSIONAL YEAR

<i>Course Number</i>	<i>Course Title</i>	<i>Credit Hours</i>
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Fall Semester

PHRM 4030	Essentials of Pharmacy Practice III	3
PHRM 4060	Medicinal Chemistry II	2
PHRM 4200	Fundamentals of Pharmaceutics I: Physical Pharmacy and Dosage Form Design	3
PHRM 4430	Principles of Pharmacology III	3
PHRM 4700	Statistical Approaches to Drug Literature Evaluation	2
PHRM 4870	Pharmacotherapy I	3
Electives		<u>2</u>
		18

Spring Semester

PHRM 4040	Essentials of Pharmacy Practice IV	3
PHRM 4180	Infectious Disease & Antitumor Agents	3
PHRM 4211	Pharmaceutics II: Biopharmaceutics and Pharmacokinetics	4
PHRM 4300	Physical Assessment	2
PHRM 4880	Pharmacotherapy II	3
Electives		<u>2</u>
		17

Summer Semester

PHRM 4650	Health System IPPE	3
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THIRD PROFESSIONAL YEAR

Course Number *Course Title* *Credit Hours*

Fall Semester

PHRM 5160	Applied Pharmacy Practice I	2
PHRM 5390	Pharmacogenomic Therapies	2
PHRM 5650	Pharmacy Care Management	2
PHRM 5750	Drug Interactions and Adverse Drug Reactions	2
PHRM 5880	Pharmacotherapy III	4
PHRM 5920	Clinical Seminar	(1)
Electives		<u>4</u>
		16-17

Spring Semester

PHRM 5170	Applied Pharmacy Practice II	2
PHRM 5420	Pharmacy Health Services Outcomes	2
PHRM 5560	Integrated Patient Care	2
PHRM 5680	Pharmacy Law and Ethics	2
PHRM 5890	Pharmacotherapy IV	4
PHRM 5920	Clinical Seminar	(1)
PHRM 5950	Advanced Drug Information and Drug Policy Management	2
Electives		<u>3</u>
		17-18

FOURTH PROFESSIONAL YEAR

Course Number *Course Title* *Credit Hours*

The fourth year consists of full-time advanced pharmacy practice experiences in institutional, community, and other patient care settings.

Summer Semester

PHRM 5901	Required Advanced Pharmacy Practice Experience I	5
PHRM 5902	Required Advanced Pharmacy Practice Experience II	<u>5</u>

10

Fall Semester *(Student completes 3 of 4 Fall experiences)*

PHRM 5903	Required Advanced Pharmacy Practice Experience III	5
PHRM 5904	Required Advanced Pharmacy Practice Experience IV	5
PHRM 5905	Required Advanced Pharmacy Practice Experience V	5
PHRM 5906	Required Advanced Pharmacy Practice Experience VI	<u>5</u>
		15

Spring Semester

PHRM 5907	Required Advanced Pharmacy Practice Experience VII	5
PHRM 5908	Required Advanced Pharmacy Practice Experience VIII	5
PHRM 5909	Required Advanced Pharmacy Practice Experience IX	<u>5</u>
		15

PROFESSIONAL ELECTIVES REQUIREMENT

Students who matriculate in fall 2020 and thereafter are required to complete 11 hours of electives as part of the Doctor of Pharmacy curriculum. At least 8 hours should be professional electives. Professional electives are defined as those that enhance students' professional development. Electives offered within the College of Pharmacy are acceptable, as are select courses outside of the College of Pharmacy.

Courses with the following prefixes would be considered professional electives: ACCT (Accounting), CSCI (Computer Sciences), DMAN (Disaster Management), ECHD (Counseling & Human Development Services), FACS (Family & Consumer Science), FINA (Finance), GRNT (Gerontology), GLOB (Global Health), HPAM (Health Policy & Management), HPRB (Health Promotion & Behavior), IDIS (Infectious Diseases), KINS (Kinesiology), LLOD (Learning, Leadership & Organization Development), MARK (Marketing), MGMT (Management), PBHL (Public Health), PSYC (Psychology), and foreign language courses, including sign language.

Approval for professional electives outside the College of Pharmacy should go through the administrator with oversight of the PharmD curriculum (Dr. Andrew Darley). In addition, the following restrictions apply:

- Students may not (a) go backward in a course sequence, (b) repeat a course, (c) take a remedial course, or (d) take a PE course when completing the electives requirement.
- Courses taken before entering the Doctor of Pharmacy program cannot count towards the 11-hour elective requirement.

CO-CURRICULUM

PharmD students must complete the co-curriculum program as part of the requirements for graduation. The co-curriculum program supports development of the student's approach to practice as well as their personal and professional development as defined by the Accreditation Council for Pharmacy Education (ACPE). Co-curricular activities are activities that complement and advance learning that occurs within the formal didactic and experiential curriculum. Details of the program will be discussed with students during the fall semester of their first year.

PHARMACY PREREQUISITES FOR REQUIRED PROFESSIONAL COURSES

In a professional college, the curriculum, including prerequisites for required courses should be the responsibility of the faculty of the college since they, rather than the individual departments, are responsible for the qualification of our graduates. Requests for waiver from prerequisites by individual students must be submitted in writing to the Chairman of the College of Pharmacy Academic Committee. That Committee, in consultation with the faculty and department head concerned, will arrive at a recommendation which will be forwarded to the Dean's Office for final disposition.

NOTE: All pre-pharmacy course requirements must be satisfied before a student may take any pharmacy courses included in the first year pharmacy program.

Course #	Course Name	Prerequisite(s)	Corequisite(s)
PHRM 3030	Essentials of Pharmacy Practice I		
PHRM 3040	Essentials of Pharmacy Practice II	PHRM 3030, 3300, 3900	PHRM 3820
PHRM 3070	Medicinal Chemistry I	PHRM 3310	
PHRM 3300	Pharmaceutical Calculations		
PHRM 3310	Principles of Pharmacology I		
PHRM 3320	Principles of Pharmacology II	PHRM 3310, 3550	PHRM 3070
PHRM 3500	Career Opportunities in Pharmacy		
PHRM 3520	Interpreting Clinical Laboratory Tests		
PHRM 3540	Nutrition and Lifestyle Intervention in Pharmacy Practice		
PHRM 3550	Human Pathophysiology		
PHRM 3600	Immunology and Biotechnology		
PHRM 3750	Pharmacy and the United States Health Care System		
PHRM 3820	Self-Care, Nonprescription Drugs, and Herbal Products	PHRM 3030, 3310, 3900, 3940	PHRM 3040
PHRM 3900	Pharmacy Intercommunications		

PHRM 3940	Survey of Drug Information		
PHRM 3950	Introductory Pharmacy Practice Experience I	PHRM 3030, 3900	PHRM 3040, 3820
PHRM 4030	Essentials of Pharmacy Practice III	PHRM 3040, 3520	PHRM 4870
PHRM 4040	Essentials of Pharmacy Practice IV	PHRM 4030	PHRM 4211, 4300, 4880
PHRM 4060	Medicinal Chemistry II	PHRM 3070	PHRM 4030, 4430
PHRM 4180	Infectious Disease and Antitumor Agents		PHRM 4040
PHRM 4200	Fundamentals of Pharmaceutics I: Physical Pharmacy and Dosage Form Design		PHRM 4030
PHRM 4211	Pharmaceutics II: Biopharmaceutics and Pharmacokinetics	PHRM 3300, 4200	PHRM 4040
PHRM 4300	Physical Assessment		PHRM 4040
PHRM 4430	Principles of Pharmacology III	PHRM 3320	PHRM 4060
PHRM 4650	Health System Introductory Pharmacy Practice Experience	PHRM 3520, 4040	
PHRM 4700	Statistical Approaches to Drug Literature Evaluation	PHRM 3940	
PHRM 4870	Pharmacotherapy I	PHRM 3040, 3070, 3320, 3520, 3550	PHRM 4060, 4430
PHRM 4880	Pharmacotherapy II	PHRM 4030, 4870	PHRM 4040
PHRM 5160	Applied Pharmacy Practice I	PHRM 4650, 4870, 4880	PHRM 5880
PHRM 5170	Applied Pharmacy Practice II	PHRM 5160	PHRM 5890
PHRM 5390	Pharmacogenomic Therapies	PHRM 3550, 4880	
PHRM 5420	Pharmacy Health Services Outcomes	PHRM 3750	
PHRM 5560	Integrated Patient Care	PHRM 5160, 5880	
PHRM 5650	Pharmacy Care Management	PHRM 4040	
PHRM 5680	Pharmacy Law and Ethics		PHRM 5170
PHRM 5750	Drug Interactions and Adverse Drug Reactions	PHRM 4880	
PHRM 5880	Pharmacotherapy III	PHRM 4880	
PHRM 5890	Pharmacotherapy IV	PHRM 5880	
PHRM 5920	Clinical Seminar	PHRM 4700, 4880	
PHRM 5950	Advanced Drug Information and Drug Policy Management	PHRM 3940, 4700	
PHRM 5901- 5909	Advanced Pharmacy Practice Experience I-IX	All required and elective Pharm.D. coursework	

DESCRIPTION OF PHARMACY COURSES

Descriptions of pharmacy courses are available in the UGA Bulletin (<http://www.bulletin.uga.edu>).

REQUIRED COURSES

First Year, Fall Semester

PHRM 3030. Essentials of Pharmacy Practice I

Introduction to essential clinical, professional, and practice- based skills needed to provide pharmacy care.

PHRM 3300. Pharmaceutical Calculations

Mathematical principles and quantitative methods utilized in the contemporary practice of pharmacy. Calculations required in the quantitative development and assessment of prescriptions, dosage forms, drug delivery systems, and drug therapy modalities applicable to pharmacy practice.

PHRM 3310. Principles of Pharmacology I

Principles of pharmacology, including pharmacodynamics, pharmacokinetics, and drug metabolism. Actions of agents on the autonomic nervous system and significant nonprescription drugs.

PHRM 3540. Nutrition and Lifestyle Intervention in Pharmacy Practice

Evidence-based principles of nutrition and lifestyle intervention relevant to pharmacy practice.

PHRM 3550. Human Pathophysiology

Common human diseases and their pathophysiology (at the cell, tissue, organ, and system levels). Emphasis on the etiology of the disease, the symptoms, diagnosis, and classification. Introduction to drugs used to treat these diseases.

PHRM 3600. Immunology and Biotechnology

Structure and function of the immune system and therapeutic products of biotechnology that are appropriate in patient counseling and treatment plans.

PHRM 3900. Pharmacy Intercommunications

The skills to effectively communicate with, teach, and counsel patients about their medications and health are taught. Effective communication strategies and skills are presented. Students are challenged to incorporate these skills into their own counseling and communication style. Innovative technology is employed to promote interactive patient counseling.

PHRM 3940. Survey of Drug Information

Primary, secondary, and tertiary drug information resources, including standard reference

texts, computer systems and journals. Emphasis will be placed on retrieval of information and communication of a response.

First Year, Spring Semester

PHRM 3040. Essentials of Pharmacy Practice II

Introduction to essential clinical, professional, and practice- based skills needed to provide pharmacy care.

PHRM 3070. Medicinal Chemistry I

Drugs acting on the peripheral nervous system and cardiovascular system, including structure-activity relationships, mechanisms of action, storage, and chemical stability reactions.

PHRM 3320. Principles of Pharmacology II

Neuropharmacology and major classes of drugs acting on the central nervous system, including the clinical indication(s), mechanism and site of action, side effects, and potential drug interactions.

PHRM 3500. Career Opportunities in Pharmacy

Pharmacy career pathways, including the necessary career development (i.e., residency/fellowship, CE, board certification, etc.) for each path. Discussions of the role and importance of professional organizations, networking, and professional behaviors necessary to succeed in pharmacy practice.

PHRM 3520. Interpreting Clinical Laboratory Tests

Commonly used laboratory tests for each major organ system and their application for detecting disease, diagnosing medical problems, guiding treatment, and/or monitoring safety and efficacy.

PHRM 3750. Pharmacy and the United States Health Care System

The social, economic, and political forces that shape the environment in which health care currently is being delivered in America and how this affects the practice of pharmacy.

PHRM 3820. Self-Care, Nonprescription Drugs, and Herbal Products

Skills to evaluate the needs of a patient who consults a pharmacist for a recommendation of a nonprescription medication or product, including appropriate patient counseling. Guidelines on when to refer to another health care professional.

PHRM 3950. Introductory Pharmacy Practice Experience I

Development of pharmacy practice skills within the community pharmacy setting. Emphasis will be on prescription processing, communication skills, inventory management, third party insurance processing, student professional development, and time management.

Second Year, Fall Semester

PHRM 4030. Essentials of Pharmacy Practice III

Introduction to essential clinical, professional, and practice- based skills needed to provide pharmacy care.

PHRM 4060. Medicinal Chemistry II

Central nervous system drugs, including their physio-chemical properties, structure-activity relationships and toxicities, side effects, and drug interactions.

PHRM 4200. Fundamentals of Pharmaceutics I - Physical Pharmacy and Dosage Form Design

Fundamentals of physical pharmacy and pharmaceutical dosage form design.

PHRM 4430. Principles of Pharmacology III

Pharmacological principles of drugs which affect the cardiovascular system, the endocrine system, the skin, bones, the GI system, and neurodegenerative diseases. Principles of toxicology will also be discussed.

PHRM 4700. Statistical Approaches to Drug Literature Evaluation

Basic statistical methods and analysis used to critically evaluate drug literature are discussed. Topics include statistical inference and hypothesis testing, selection of appropriate statistical tests, correlation and regression analysis, and research design. Students will apply these topics while evaluating published clinical trials, outcome studies, and materials from pharmaceutical manufacturers.

PHRM 4870. Pharmacotherapy I

Pharmacotherapeutic principles and concepts applied to human disease states and conditions with emphasis on case-based problem solving.

Second Year, Spring Semester

PHRM 4040. Essentials of Pharmacy Practice IV

Introduction to essential clinical, professional, and practice- based skills needed to provide pharmacy care.

PHRM 4180. Infectious Disease and Antitumor Agents

Chemistry, spectrum of activity, place in therapy, stability, incompatibilities, and toxicities of antibacterials, antivirals, and antibiotics.

PHRM 4211. Pharmaceutics II: Biopharmaceutics and Pharmacokinetics

Basic concepts associated with drug absorption, distribution, metabolism, excretion, and transport with an emphasis on compartmental modeling related to dosing of drugs. Specific disease states that alter drug disposition.

PHRM 4300. Physical Assessment

Basic principles and techniques of physical assessment performed by pharmacists.

PHRM 4880. Pharmacotherapy II

Pharmacotherapeutic principles and concepts applied to human disease states and conditions with emphasis on case-based problem solving.

Second Year, Summer Semester

PHRM 4650. Health System Introductory Pharmacy Practice Experience

Development of pharmacy practice skills in a health system setting, focusing on exposure to health system medication use processes and pharmacy patient care services.

Third Year, Fall Semester

PHRM 5160. Applied Pharmacy Practice I

Through a combination of practical experiences in the hospital setting as well as classroom discussions and activities, students will apply knowledge from prior required PharmD courses such as Essentials of Pharmacy Practice, Pharmacotherapy, Drug Information, etc. to a variety of patient care activities.

PHRM 5390. Pharmacogenomic Therapies

The course will emphasize the principles and applications of pharmacogenomics, including avoiding unnecessary adverse events and tailoring appropriate medications to patients since these activities are a critical part of administering medication.

PHRM 5650. Pharmacy Care Management

Presentation of management principles, organizational needs, accounting practices, entrepreneurial aspects, marketing needs, and associated topics for use in future pharmacy and health care system practice milieus. The analysis of management principles as they relate to community and health-systems management.

PHRM 5750. Drug Interactions and Adverse Drug Reactions

Most common drug interactions and adverse drug reactions with an emphasis on detection, prevention, and management.

PHRM 5880. Pharmacotherapy III

Pharmacotherapeutic principles and concepts applied to human disease states and conditions with emphasis on case-based problem solving.

PHRM 5920. Clinical Seminar

Elements of an effective clinical presentation, including the use of slides, overheads, handouts, and other visual aids; methods of answering audience questions; steps to evaluate the presentation.

Students can take this course in the Fall or Spring semester.

Third Year, Spring Semester

PHRM 5170. Applied Pharmacy Practice II

As a continuation from Applied Pharmacy Practice I, through a combination of practical experiences in the hospital setting as well as classroom discussions and activities students will apply knowledge from prior required PharmD courses such as Essentials of Pharmacy Practice, Pharmacotherapy, Drug Information, etc. to a variety of patient care activities.

PHRM 5420. Pharmacy Health Services Outcomes

Pharmacy Health Services Outcomes exposes students to medications use from a systems perspective and strategies to improve outcomes. The course will review how personal, social, and organizational factors affect the quality of medication use and outcomes. Students will learn about processes for evaluating medication-use systems and identifying ineffective system operations.

PHRM 5560. Integrated Patient Cases

Complex patient cases in which students complete a work-up of a patient, identify and prioritize medication-related problems; and design a regimen, including monitoring parameters to resolve medication-related problems.

PHRM 5680. Pharmacy Law and Ethics

Laws and regulations that govern the practice of pharmacy, including those of patient care, professional conduct, business conduct, hospital practice, and the dispensing and provision of pharmaceuticals.

PHRM 5890. Pharmacotherapy IV

Pharmacotherapeutic principles and concepts applied to human disease states and conditions with emphasis on case-based problem solving.

PHRM 5920. Clinical Seminar

Elements of an effective clinical presentation, including the use of slides, overheads, handouts, and other visual aids; methods of answering audience questions; steps to evaluate the presentation.

Students can take this course in the Fall or Spring semester.

PHRM 5950. Advanced Drug Information and Drug Policy Management

Advanced concepts of drug information provision, including newsletter publication, ADR monitoring systems, drug usage evaluation, formulary management, and drug information retrieval and analysis.

Fourth Year: Advanced Pharmacy Practice Experiences (APPEs)

PHRM 5901-5909. APPEs I-IX

Clinical practice in outpatient and inpatient settings with emphasis on pharmaceutical care. These courses will meet for forty hours a week for five weeks (total of 200 contact hours) during the semester.

ELECTIVE COURSES

NOTE: Elective course offerings are subject to change.

PHAR 4010E – Introduction to Drugs, Biologics, and Devices Regulated by the Food and Drug Administration – 3 credit hours

Prerequisite - Permission of the department

Description of Course – Introduction to the drugs, biologics, and devices regulated by the Food and Drug Administration (FDA) and the pharmaceutical, biotechnology, and medical device industries. Organization of the FDA, basic understanding of regulatory framework in the U.S., including regulations and regulatory process, overview of product development, and new product applications process and post- marketing/commercialization compliance expectations.

Grading A-F

PHAR 6010E – Pharmaceutical, Biotechnology, and Device Industries – 4 credit hours

Prerequisite - Permission of the department

Description of Course – Foundational knowledge of the pharmaceutical, biotechnology, and medical device industries. Emphasis on organization, product development, new product applications and commercialization- associated activities, including drug discovery, chemical synthesis, laboratory practices, quality assurance, regulatory affairs, manufacturing, design control, marketing, and post-marketing surveillance.

Grading A-F

PHRM 4000 – War on Cancer – 3 credit hours

Prerequisite - Permission of the department

Description of Course – In-depth discussions of cancer, which include the tumor biology, treatment options (surgery, radiation and chemotherapy), socioeconomic challenges, and the remaining barriers that are preventing curing specific types of cancer.

Grading A-F

PHRM 4500 – Pharmacotherapeutic Issues in Women's Health – 1 credit hour

Prerequisite - PHRM 4870

Description of Course – Case-based pharmacotherapeutic course related to women's health. Interactive classroom discussion of female-specific conditions across the lifespan requiring pharmacologic treatment, including reproductive health, obstetrics, and menopause. Pre-class readings will be required to facilitate classroom discussion.

Grading A-F

PHRM 4740 – P&T Committee Drug Evaluation – 3 credit hours

Description of Course – The purpose of this course is to provide students with an opportunity to develop a variety of skills including critical analysis of drug literature, clinical and pharmaco-economic evaluation of drugs, and written and oral presentation of recommendations.

Students will gain experience with the many of the techniques used to make effective formulary decisions in managed care settings.

Grading S/U

PHRM 5010 – Personal Financial Management for Pharmacists – 2 credit hours

Prerequisite - PHRM 3750

Description of Course – Effective management of the pharmacy graduate's personal finances. A life-cycle approach with special emphasis on actions needed during critical stages of the pharmacist's professional and personal life.

Grading A-F

PHRM 5040E – Antiviral Chemotherapy – 2 credit hours

Prerequisite - PHRM 4180 or permission of the department

Description of Course – An in-depth discussion of human viral disease and management of these diseases.

Grading A-F

PHRM 5050 – Abused Drugs – 3 credit hours

Prerequisite - Open to all pharmacy students

Description of Course – The history, abuse, misuse, effects and detection of selected drugs. Guest lecturers are invited to present their views on these subjects.

Grading A-F

PHRM 5080 – Diabetes Disease Management – 3 credit hours

Description of Course – Students will be taught how to provide Diabetes Education in a clinic or community pharmacy including program design, patient assessment and patient education.

Grading A-F

PHRM 5130 – Entrepreneurship beyond dispensing – 2 credit hours

Prerequisite - PHRM 3950

Description of Course – Innovative pharmacy services beyond traditional dispensing practices. Emphasis placed on identifying and evaluating new services, new businesses, and a different way to do “business.”

Grading A-F

PHRM 5190 – Anticancer Therapeutics – 2 credit hours

Description of Course – This pharmacy elective will provide students with knowledge relating to anticancer therapeutics and patient management. The materials presented will focus on the prescribing basics, adverse effects of anticancer therapeutics necessary for patient management, along with drug administration and some biology of malignant disease.

Grading A-F

PHRM 5210 – Special Topics in Pharmacy – 1-3 credit hours

Repeatable for maximum 12 hours credit.

Prerequisite - Varies

Description of Course – Specialized pharmaceutical systems, processes and techniques, including assignment of current literature and student presentations.

Grading S-U

Topic offerings are subject to change. Special topics may include: Advanced Compounding, Cross-Cultural Competence in Pharmacy Care, Hepatitis Clinic, Infectious Disease

Pharmacotherapy, Introduction to Health Disparities in the US, Pharmaceutical Care & Compounding Products for Veterinary Patients, Pharmacy Informatics, Psychopharmacology, Specialty Pharmacy, and Wellness.

PHRM 5220 – Health Research Methods – 2 credit hours

Description of Course – Application of principles, practices, and strategies for conducting research in health care.

Grading A-F

PHRM 5250 – Entrepreneurship for Pharmacists – 3 credit hours

Prerequisites - Permission of the department

Description of Course – Current management and strategic issues in operating an independent pharmacy.

Grading A-F

PHRM 5270E – Introduction to Veterinary Pharmacy – 3 credit hours

Description of Course – Integration of veterinary pharmacology information with critical evaluation of the variances between common human versus animal pharmaceutical dosing. Students will analyze prescriptions for appropriateness and legal issues as well as demonstrate appropriate counseling skills.

Grading A-F

PHRM 5350 – Disaster Training for Health Care Professionals – 3 credit hours

Prerequisites - Permission of the department

Description of Course – Basic first aid and disaster relief training for future pharmacists and other health care professionals; first responders training and mock simulations for weapons of destruction events.

Grading A-F

PHRM 5370 – Critical Care Pharmacy – 1 credit hour

Prerequisite - PHRM 4880

Description of Course – In-depth discussions of disease states most commonly encountered in critical care patients and the associated pharmacotherapeutic management of these conditions.

Grading A-F

PHRM 5410E – Clinical Pharmacy Topics – 1 credit hour

Corequisite – PHRM 5860

Description of Course – Topics from Pharmacy Grand Rounds lectures, including specific areas in clinical pharmacy to more global issues in healthcare. Presenters include faculty, guest lecturers, and residents; students provide written analyses of each presentation.

Grading S/U

PHRM 5460 – Forensic Pharmacy – 2 credit hours

Description of Course – Application of pharmacy to legal issues, including drug testing, analyzing adverse drug reactions for causation, evaluation of drug interactions, medication errors and drug effects as mitigating factors in criminal activity.

Grading A-F

PHRM 5580 – Academic Pharmacy – 2 credit hours

Description of Course – Designed to better acquaint students with career opportunities in academic pharmacy and to provide a forum for students to explore issues pertaining to the

structure and function of colleges of pharmacy.

Grading S/U

PHRM 5600 – Advanced Cardiovascular Life Support – 2 credit hours

Prerequisites - PHRM4880 and BLS Certification

Description of Course – The Advanced Cardiovascular Life Support (ACLS) elective provides detailed training in ACLS skills. The course involves ten weeks of guided self-study, including videos, reading, discussion boards, and quizzes, followed by an in-person simulation-based skills session. The class culminates with the American Heart Association certification in ACLS.

Grading A-F

PHRM 5610 – Interprofessional Approach to Simulated Patient Care – 1 credit hour

Prerequisite - PHRM 3520 or PHRM 3900 or PHRM 4030 or PHRM 4040 or PHRM 4300 or PHRM 5160 or PHRM 5880

Description of Course – Designed to prepare third-year pharmacy students (P3s) for Advanced Pharmacy Practice Experiences (APPEs) and for providing direct patient care in the clinical setting. Emphasis on the necessity of working within a team when caring for patients and providing opportunities for P3s to work side-by-side with second-year medical students (M2s) in managing simulated patients in an acute setting. There will be three interprofessional education (IPE)-driven simulation experiences in collaboration with M2 students utilizing the Simulation Center located on the Augusta University/UGA Partnership campus.

Grading S/U

PHRM 5620 – Recruitment & Admissions of Pharmacy Students – 2 credit hours

Description of Course – The purpose of this course is to engage current Doctor of Pharmacy students in the recruitment and admissions process for the Pharm.D. program in College of Pharmacy at the University of Georgia. Students will learn about, discuss, and critique current recruitment and admissions practices in the College of Pharmacy; conduct benchmarking research about recruitment and admissions efforts at peer and aspirational institutions; participate in virtual recruiting events such as Spring Open House; and propose a new recruiting initiative for the College of Pharmacy.

Grading S/U

PHRM 5850 – Introduction to Postgraduate Residency Training – 2 credit hours

Prerequisite or corequisite - PHRM 5880

Description of Course – In-depth description of residency training to prepare students to seek and obtain a residency position upon graduation. Course format includes informal lecture, panel discussion, written assignments, and competencies.

Grading A-F

PHRM 5980 – Undergraduate Research Problem – 1-3 credit hours

Repeatable for maximum 12 hours credit.

Prerequisites - Varies

Description of Course – An introduction to research methods. A problem will be assigned and the student will perform library and laboratory work and write up results.

Research offerings are subject to change. Research topics may include: Academia, Ambulatory Care, Critical Care Pharmacotherapy, Identification of Diagnostic and Prognostic Biomarkers for ARDS, Infectious Disease, Literature Review & Manuscript Preparation, Nutrition & Cardiovascular Disease Management, Oncology, Social & Behavioral Science, Translational Projects, Women's Health and Writing in Clinical & Experimental Therapeutics.

PMCY 4410E/6410E – Robotic Technology in Drug Discovery and Toxicology – 2 credit hours

Description of Course – Designed to train students on three principal objectives which comprise the second and third stages of a drug discovery pipeline. Beyond its own course objectives, this course also serves as the first of three two-credit courses in a series that encompass aspects of the drug discovery pipeline.

Grading A-F

PMCY 4430E. Biopharmaceutics and Pharmacokinetics – 2 credit hours

Designed to train students on three principal objectives, which comprise the second and third stages of a drug discovery pipeline. Beyond its own course objectives, this course is the last of three two-credit course series that encompass aspects of the drug discovery pipeline.

Grading A-F

PMCY 6420E – Computation Approaches in Drug Discovery and Toxicology – 2 credit hours

Description of Course – In-depth study of the first, second, and third stages of a drug discovery pipeline. This is the second of a three-course series that encompasses aspects of the drug discovery pipeline.

Grading A-F

PRACTICE EXPERIENCE

The experience programs are designed to develop professional practice skills in a variety of patient care settings. It is divided into two components: introductory and advanced pharmacy practice experiences. Students should view each experience as an opportunity to incorporate learned didactic information into the development of the skills necessary to be a competent pharmacy practitioner.

Introductory pharmacy practice experiences (IPPEs) are incorporated into courses offered during the first three years of the Doctor of Pharmacy curriculum. These experiences are designed to provide students with a better understanding of how pharmacy relates not only to patients but also to other health care disciplines. A variety of teaching strategies are utilized to provide experiences both on and off campus. Students should be aware that experiences may be scheduled outside of normal class time. There are two 3-week experiential blocks assigned during the curriculum, one in community and one in health system pharmacy. Efforts will be made to place students at approved sites within a 50-mile radius of their preferred Georgia locations. However, this is subject to site and preceptor availability. Other IPPEs completed during the Doctor of Pharmacy program include, but are not limited to, ambulatory care, immunization administration, inpatient pharmacy care services, pharmacy residency exposure, standardized patients, disaster preparedness and professional advocacy.

Advanced pharmacy practice experiences (APPEs) comprise the final three semesters of the Doctor of Pharmacy program. Students assigned to one of the 2+2 programs will attend P3 classes at their respective extended campuses and complete their P3 IPPEs and P4 APPEs within the assigned geographic region. For all other students, a matching

system is used during the P3 fall semester to assign students to available P4 APPE regions within Georgia. Space within these regions is limited and quotas will be set each year based upon available sites and class size. Students will be assigned to one region for the entire P4 year. Of note, over 75% of students in the lottery have been placed in one of their top 3 APPE regions over the past several years. In order to be fair to all, this policy relies on random selection. We will only consider special circumstances when required by law or Board of Regents/University of Georgia policies. Within the P4 year, students receive extensive training in various inpatient and outpatient settings. Most experiences occur in teaching hospitals, community hospitals, community pharmacies, home health settings, nursing homes, public health agencies, and managed care companies. Students apply the knowledge and skills gained in the first 3 years of the curriculum to design, implement, monitor, evaluate, and modify patient pharmacotherapeutic plans based upon scientific principles to ensure effective, safe, and economical patient care.

In order to be eligible to participate in the experience program activities, students must submit proof of the following: immunizations (MMR, Tdap, tetanus, influenza, immunity for hepatitis B, varicella zoster immunization or immunity), tuberculin skin or blood testing, a valid Georgia pharmacy intern license, physical exam, CPR certification, professional liability insurance, and health insurance coverage. Some practice sites require students to obtain/undergo a criminal background check and/or drug screening prior to beginning an experience. Students whose background check and/or drug screen results do not meet the site acceptance requirements will be prohibited from completing an experience at that site which could subsequently lead to a delay in student progression. Students are responsible for costs associated with any of these or other site clearance requirements.

Students should be aware that these requirements are subject to change (e.g., alterations occur in the affiliation agreements with participating practice sites, COVID-related requirements).

PHARMACY INTERNSHIP

REQUIREMENTS

In order to become licensed as a pharmacist in the State of Georgia, a person must, among other requirements, graduate from an accredited United States School of Pharmacy and serve 1,500 hours of internship. Doctor of Pharmacy students from the University of Georgia College of Pharmacy receive approximately 1,900 internship hours upon satisfactory completion of the professional program. In order to practice, graduates must pass each of the following items: North American Pharmacist Licensure Examination (NAPLEX) and the Multistate Pharmacy Jurisprudence Examination (MPJE) for Georgia.

NABP's Electronic Licensure Transfer Program (ELTP) enables licensed pharmacists to transfer their license from one state to another. Each state board of pharmacy has its

own requirements for licensure transfer (e.g. state law exam, background checks).

The Board of Pharmacy may require any applicant to appear before the Board prior to that person receiving, or being declared eligible for, a pharmacy license in Georgia.

STUDENT INTERN LICENSE

Students may obtain a Georgia pharmacy intern license *after enrollment* in the College of Pharmacy. Detailed information about registration is provided to all new students in the first semester of the first year. No student will be permitted to maintain enrollment in the University of Georgia College of Pharmacy Doctor of Pharmacy program after the first semester in the Doctor of Pharmacy program if they do not possess a current, active and valid pharmacy intern license issued by the Georgia State Board of Pharmacy. In addition, the student must be in good standing with the Board. Thereafter, any student who does not have a current, active and valid Pharmacy intern license issued by the Georgia State Board of Pharmacy and is not in good standing with the Board at any time during a semester will be administratively withdrawn from all courses that require the license and good standing. Students will not be allowed to progress to the next semester in the curriculum until the pharmacy intern license and good standing with the Georgia State Board of Pharmacy has been reinstated. It is the student's responsibility to report any problems with their pharmacy intern license to the Assistant Deans for Student Affairs and for Experience Programs. Failure to report any problems with an intern license may result in disciplinary action.

Intern licenses expire five years from the date of issue and may be renewed, unless at the time of expiration there shall be pending before the State Board of Pharmacy proceedings to suspend or revoke such license. Visit the Georgia Board of Pharmacy at <https://gbp.georgia.gov/> for internship license information.

CONTACT INFORMATION

For questions, concerns or further information regarding the content included in this document, please contact Dr. Duc Do, Assistant Dean for Student Affairs, 706-542-7287, duc.do@uga.edu.



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